

**HALOGENATED SOLVENT CLEANER NESHAAP -  
ANNUAL REPORT**

Rec 3/28/03  
ED/VB

**FACILITY INFORMATION**

Company Name	Morgan Electro Ceramics
Mailing Address	232 Forbes Road Bedford, Ohio 44146
Equipment Location Address	Same as mailing address.
Ohio EPA Facility ID.	13-18-03-1627

SOLVENT MACHINE INFORMATION	
Ohio EPA ID	P019
Description of source	Solvent vapor degreaser using perchloroethylene
Make/Model	Finishing Equipment 6342
Initial Startup date	January 1, 1990
Type of Machine	Batch vapor
Solvent/Air Interface Area	4.38 (square ft)
Machine Controls	Freeboard Ratio 1.00 Freeboard refrigeration device Working-mode cover
Method of Compliance	Alternative standard 40 CFR 63.464
Overall Average Monthly Consumption	65.3 (lb. of solvent)
3-Month Rolling Average Emission Estimates*	0.0(lb/month/sq. ft. surface area) From: 07/01/02; To: 09/30/02
3-Month Rolling Average Emission Estimates*	8.3 (lb/month/sq. ft. surface area) From: 10/01/02; To: 12/31/02

\* Calculation method and results are attached.

Person preparing report: Hocevar William J.  
*Last Name First Name Middle Initial*

Title: Facility Engineering Manager

Date prepared: March 24, 2003

FACILITY INFORMATION	
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<b>Company Name</b>	Morgan Electro Ceramics
<b>Mailing Address</b>	232 Forbes Road Bedford, Ohio 44146
<b>Equipment Location Address</b>	Same as mailing address.
<b>Ohio EPA Facility ID.</b>	13-18-03-1627

## SOLVENT MACHINE INFORMATION

<b>Ohio EPA ID</b>	<b>L001</b>
<b>Description of source</b>	Solvent vapor degreaser using perchloroethylene
<b>Initial Startup date</b>	October 17, 1998
<b>Type of Machine</b>	Batch vapor
<b>Solvent/Air Interface Area</b>	9.79 (square ft)
<b>Machine Controls</b>	Freeboard Ratio 1.00 Freeboard refrigeration device Super-heated vapor Working-mode cover
<b>Method of Compliance</b>	Alternative standard 40 CFR 63.464
<b>Overall Average Monthly Consumption</b>	187.78(lb. of solvent)
<b>3-Month Rolling Average Emission Estimates*</b>	28.4 (lb/month/sq. ft. surface area) <b>From:</b> 07/01/02; <b>To:</b> 09/30/02
<b>3-Month Rolling Average Emission Estimates*</b>	23.9 (lb/month/sq. ft. surface area) <b>From:</b> 10/01/02; <b>To:</b> 12/31/02

\* Calculation method and results are attached.

<b>Person preparing report:</b>	Hocevar	William	J.
	<i>Last Name</i>	<i>First Name</i>	<i>Middle Initial</i>
<b>Title:</b>	Facility Engineering Manager		

**Date prepared:** March 24, 2003

Facility Name: **Morgan Electro Ceramics**  
 Unit Name: **Finishing Equipment 6342**  
 Company I.D.: **VPD-24**

EPA Facility ID: **1318031627**  
 Ohio EPA I.D.: **P019**

Month: **July**

Year: **2002**

**Unit Information**

Tank Length (inside) **2.92** (feet)  
 Tank Width (inside) **1.50** (feet)  
 Tank Surface Area (s.a.) **4.38** (feet)<sup>2</sup>

Solvent Usage Information			Formulas / Notes
1	Type Solvent Used	<b>Perchloroethylene</b>	
2	S.G. of Solvent	<b>1.62</b>	[From MSDS]
3	Solvent Density	<b>13.51</b> (lb/gallon)	[From MSDS]
4	Solvent Added	<b>0.0</b> (gallon)	[From monthly log]
5	Waste Removed	<b>0.0</b> (gallon)	[From monthly log]
6	% Solvent in waste	<b>99.9%</b> ( % )	[From analytical report]
7	Solvent Removed in waste	<b>0.0</b> (gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	<b>0.0</b> (gallon)	[From monthly log]
9	Total Solvent Removed	<b>0.0</b> (gallon)	[ 7 + 8 ]
10	Total Solvent Emitted	<b>0.0</b> (gallon)	[ 4 + 9 ]
11	Total Solvent Emitted	<b>0.0</b> (lbs)	[ 10 * 3 ]
<b>Monthly Emissions</b>			
Average Solvent Emission Rate		<b>0.0</b> (lb/month/ft <sup>2</sup> s.a.)	[ 11 / (tank surface area) ]
Average Solvent Allowable Rate		<b>30.6</b> (lb/month/ft <sup>2</sup> s.a.)	From 40 CFR 63 , Subpart T
<b>Note:</b> If ave. solvent emission rate is < 30.6 lb/month/ft <sup>2</sup> , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft <sup>2</sup> , Note in quarterly exceedance report.			
<b>Three Month Rolling Average</b>			
3 - Month Average Solvent Emission Rate		<b>18.5</b> (lb/month/ft <sup>2</sup> s.a.)	[ Average of three previous months solvent emission rates]

Facility Name: **Morgan Electro Ceramics**  
Unit Name: **Finishing Equipment 6342**  
Company I.D.: **VPD-24**

EPA Facility ID: **1318031627**  
Ohio EPA I.D.: **P019**

Month: **August**

Year: **2002**

#### Unit Information

Tank Length (inside) **2.92** (feet)  
Tank Width (inside) **1.50** (feet)  
Tank Surface Area (s.a.) **4.38** (feet)<sup>2</sup>

Solvent Usage Information				Formulas / Notes
1	Type Solvent Used	<b>Perchloroethylene</b>		
2	S.G. of Solvent	<b>1.62</b>		[From MSDS]
3	Solvent Density	<b>13.51</b>	(lb/gallon)	[From MSDS]
4	Solvent Added	<b>25.0</b>	(gallon)	[From monthly log]
5	Waste Removed	<b>25.0</b>	(gallon)	[From monthly log]
6	% Solvent in waste	<b>99.9%</b>	( % )	[From analytical report]
7	Solvent Removed in waste	<b>25.0</b>	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	<b>0.0</b>	(gallon)	[From monthly log]
9	Total Solvent Removed	<b>25.0</b>	(gallon)	[ 7 + 8 ]
10	Total Solvent Emitted	<b>0.0</b>	(gallon)	[ 4 + 9 ]
11	Total Solvent Emitted	<b>0.3</b>	(lbs)	[ 10 * 3 ]
<b>Monthly Emissions</b>				
Average Solvent Emission Rate				
		<b>0.1</b>	(lb/month/ft <sup>2</sup> s.a.)	[ 11 / (tank surface area) ]
Average Solvent Allowable Rate				
		<b>30.6</b>	(lb/month/ft <sup>2</sup> s.a.)	From 40 CFR 63 , Subpart T
<b>Note:</b> If ave. solvent emission rate is < 30.6 lb/month/ft <sup>2</sup> , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft <sup>2</sup> , Note in quarterly exceedance report.				
<b>Three Month Rolling Average</b>				
3 - Month Average Solvent Emission Rate				
		<b>18.5</b>	(lb/month/ft <sup>2</sup> s.a.)	[ Average of three previous months solvent emission rates]

Facility Name: **Morgan Electro Ceramics**  
Unit Name: **Finishing Equipment 6342**  
Company I.D.: **VPD-24**

EPA Facility ID: **1318031627**

Ohio EPA I.D.: **P019**

Month: **September**

Year: **2002**

### Unit Information

Tank Length (inside) **2.92** (feet)  
Tank Width (inside) **1.50** (feet)  
Tank Surface Area (s.a.) **4.38** (feet)<sup>2</sup>

Solvent Usage Information			Formulas / Notes
1	Type Solvent Used	<b>Perchloroethylene</b>	
2	S.G. of Solvent	<b>1.62</b>	[From MSDS]
3	Solvent Density	<b>13.51</b> (lb/gallon)	[From MSDS]
4	Solvent Added	<b>0.0</b> (gallon)	[From monthly log]
5	Waste Removed	<b>0.0</b> (gallon)	[From monthly log]
6	% Solvent in waste	<b>99.9%</b> ( % )	[From analytical report]
7	Solvent Removed in waste	<b>0.0</b> (gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	<b>0.0</b> (gallon)	[From monthly log]
9	Total Solvent Removed	<b>0.0</b> (gallon)	[ 7 + 8 ]
10	Total Solvent Emitted	<b>0.0</b> (gallon)	[ 4 + 9 ]
11	Total Solvent Emitted	<b>0.0</b> (lbs)	[ 10 * 3 ]
<b>Monthly Emissions</b>			
Average Solvent Emission Rate		<b>0.0</b> (lb/month/ft <sup>2</sup> s.a.)	[ 11 / (tank surface area) ]
Average Solvent Allowable Rate		<b>30.6</b> (lb/month/ft <sup>2</sup> s.a.)	From 40 CFR 63 , Subpart T
<b>Note:</b> If ave. solvent emission rate is < 30.6 lb/month/ft <sup>2</sup> , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft <sup>2</sup> , Note in quarterly exceedance report.			
<b>Three Month Rolling Average</b>			
3 - Month Average Solvent Emission Rate		<b>0.0</b> (lb/month/ft <sup>2</sup> s.a.)	[ Average of three previous months solvent emission rates]

Facility Name: **Morgan Electro Ceramics**  
 Unit Name: **Finishing Equipment 6342**  
 Company I.D.: **VPD-24**

EPA Facility ID: **1318031627**

Ohio EPA I.D.: **P019**

Month: **October**

Year: **2002**

#### Unit Information

Tank Length (inside) **2.92** (feet)  
 Tank Width (inside) **1.50** (feet)  
 Tank Surface Area (s.a.) **4.38** (feet)<sup>2</sup>

Solvent Usage Information			Formulas / Notes
1	Type Solvent Used	<b>Perchloroethylene</b>	
2	S.G. of Solvent	<b>1.62</b>	[From MSDS]
3	Solvent Density	<b>13.51</b> (lb/gallon)	[From MSDS]
4	Solvent Added	<b>8.0</b> (gallon)	[From monthly log]
5	Waste Removed	<b>0.0</b> (gallon)	[From monthly log]
6	% Solvent in waste	<b>99.9%</b> ( % )	[From analytical report]
7	Solvent Removed in waste	<b>0.0</b> (gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	<b>0.0</b> (gallon)	[From monthly log]
9	Total Solvent Removed	<b>0.0</b> (gallon)	[ 7 + 8 ]
10	Total Solvent Emitted	<b>8.0</b> (gallon)	[ 4 + 9 ]
11	Total Solvent Emitted	<b>108.1</b> (lbs)	[ 10 * 3 ]
<b>Monthly Emissions</b>			
Average Solvent Emission Rate		<b>24.7</b> (lb/month/ft <sup>2</sup> s.a.)	[ 11 / (tank surface area) ]
Average Solvent Allowable Rate		<b>30.6</b> (lb/month/ft <sup>2</sup> s.a.)	From 40 CFR 63 , Subpart T
<p><b>Note:</b> If ave. solvent emission rate is &lt; 30.6 lb/month/ft<sup>2</sup>, NO action is required.</p> <p>If ave. solvent emission rate is &gt; 30.6 lb/month/ft<sup>2</sup>, Note in quarterly exceedance report.</p>			
<b>Three Month Rolling Average</b>			
3 - Month Average Solvent Emission Rate		<b>8.3</b> (lb/month/ft <sup>2</sup> s.a.)	[ Average of three previous months solvent emission rates ]

Facility Name: **Morgan Electro Ceramics**  
 Unit Name: **Finishing Equipment 6342**  
 Company I.D.: **VPD-24**

EPA Facility ID: **1318031627**  
 Ohio EPA I.D.: **P019**

Month: **November**

Year: **2002**

### Unit Information

Tank Length (inside) **2.92** (feet)  
 Tank Width (inside) **1.50** (feet)  
 Tank Surface Area (s.a.) **4.38** (feet)<sup>2</sup>

Solvent Usage Information			Formulas / Notes
1	Type Solvent Used	<b>Perchloroethylene</b>	
2	S.G. of Solvent	<b>1.62</b>	[From MSDS]
3	Solvent Density	<b>13.51</b> (lb/gallon)	[From MSDS]
4	Solvent Added	<b>0.0</b> (gallon)	[From monthly log]
5	Waste Removed	<b>0.0</b> (gallon)	[From monthly log]
6	% Solvent in waste	<b>99.9%</b> ( % )	[From analytical report]
7	Solvent Removed in waste	<b>0.0</b> (gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	<b>0.0</b> (gallon)	[From monthly log]
9	Total Solvent Removed	<b>0.0</b> (gallon)	[ 7 + 8 ]
10	Total Solvent Emitted	<b>0.0</b> (gallon)	[ 4 + 9 ]
11	Total Solvent Emitted	<b>0.0</b> (lbs)	[ 10 * 3 ]
<b>Monthly Emissions</b>			
Average Solvent Emission Rate		<b>0.0</b> (lb/month/ft <sup>2</sup> s.a.)	[ 11 / (tank surface area) ]
Average Solvent Allowable Rate		<b>30.6</b> (lb/month/ft <sup>2</sup> s.a.)	From 40 CFR 63 , Subpart T
<p><b>Note:</b> If ave. solvent emission rate is &lt; 30.6 lb/month/ft<sup>2</sup>, NO action is required.          If ave. solvent emission rate is &gt; 30.6 lb/month/ft<sup>2</sup>, Note in quarterly exceedance report.</p>			
<b>Three Month Rolling Average</b>			
3 - Month Average Solvent Emission Rate		<b>8.2</b> (lb/month/ft <sup>2</sup> s.a.)	[ Average of three previous months solvent emission rates]

Facility Name: **Morgan Electro Ceramics**  
Unit Name: **Finishing Equipment 6342**  
Company I.D.: **VPD-24**

EPA Facility ID: **1318031627**  
Ohio EPA I.D.: **P019**

Month: **December**

Year: **2002**

#### Unit Information

Tank Length (inside) **2.92** (feet)  
Tank Width (inside) **1.50** (feet)  
Tank Surface Area (s.a.) **4.38** (feet)<sup>2</sup>

Solvent Usage Information			Formulas / Notes
1	Type Solvent Used	<b>Perchloroethylene</b>	
2	S.G. of Solvent	<b>1.62</b>	[From MSDS]
3	Solvent Density	<b>13.51</b> (lb/gallon)	[From MSDS]
4	Solvent Added	<b>32.0</b> (gallon)	[From monthly log]
5	Waste Removed	<b>32.0</b> (gallon)	[From monthly log]
6	% Solvent in waste	<b>99.90%</b> ( % )	[From analytical report]
7	Solvent Removed in waste	<b>32.0</b> (gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	<b>0.0</b> (gallon)	[From monthly log]
9	Total Solvent Removed	<b>32.0</b> (gallon)	[ 7 + 8 ]
10	Total Solvent Emitted	<b>0.0</b> (gallon)	[ 4 + 9 ]
11	Total Solvent Emitted	<b>0.4</b> (lbs)	[ 10 * 3 ]
<b>Monthly Emissions</b>			
Average Solvent Emission Rate		<b>0.1</b> (lb/month/ft <sup>2</sup> s.a.)	[ 11 / (tank surface area) ]
Average Solvent Allowable Rate		<b>30.6</b> (lb/month/ft <sup>2</sup> s.a.)	From 40 CFR 63 , Subpart T
<p><b>Note:</b> If ave. solvent emission rate is &lt; 30.6 lb/month/ft<sup>2</sup>, NO action is required.</p> <p>If ave. solvent emission rate is &gt; 30.6 lb/month/ft<sup>2</sup>, Note in quarterly exceedance report.</p>			
<b>Three Month Rolling Average</b>			
3 - Month Average Solvent Emission Rate		<b>8.3</b> (lb/month/ft <sup>2</sup> s.a.)	[ Average of three previous months solvent emission rates]



Facility Name:

Morgan Electro Ceramics

Unit Name:

Baron Blakeslee MLR-280LE

Company I.D.:

VPD-34

EPA Facility ID:

1318031627

Ohio EPA I.D.:

L001

Month:

July

Year:

2002

## Unit Information

Tank Length (inside)

3.67

(feet)

Tank Width (inside)

2.67

(feet)

Tank Surface Area (s.a.)

9.79

(feet)<sup>2</sup>

Solvent Usage Information			Formulas / Notes
1	Type Solvent Used	Perchloroethylene	
2	S.G. of Solvent	1.62	[From MSDS]
3	Solvent Density	13.51 (lb/gallon)	[From MSDS]
4	Solvent Added	31.0 (gallon)	[From monthly log]
5	Waste Removed	0.0 (gallon)	[From monthly log]
6	% Solvent in waste	99.9 ( % )	[From analytical report]
7	Solvent Removed in waste	0.0 (gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0 (gallon)	[From monthly log]
9	Total Solvent Removed	0.0 (gallon)	[ 7 + 8 ]
10	Total Solvent Emitted	31.0 (gallon)	[ 4 + 9 ]
11	Total Solvent Emitted	418.8 (lbs)	[ 10 * 3 ]
Monthly Emissions			
Average Solvent Emission Rate		42.8 (lb/month/ft <sup>2</sup> s.a.)	[ 11 / (tank surface area) ]
Average Solvent Allowable Rate		30.6 (lb/month/ft <sup>2</sup> s.a.)	From 40 CFR 63, Subpart T
<b>Note:</b> If ave. solvent emission rate is < 30.6 lb/month/ft <sup>2</sup> , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft <sup>2</sup> , Note in quarterly exceedance report.			
Three Month Rolling Average			
3 - Month Average Solvent Emission Rate		23.0 (lb/month/ft <sup>2</sup> s.a.)	[ Average of three previous months solvent emission rates ]

**Facility Name:** *Morgan Electro Ceramics*  
**Unit Name:** *Baron Blakeslee MLR-280LE*  
**Company I.D.:** *VPD-34*

**EPA Facility ID:** *1318031627*

**Ohio EPA I.D.:** *L001*

**Month:** *August*

**Year:** *2002*

**Unit Information**

Tank Length (inside)	3.67	(feet)
Tank Width (inside)	2.67	(feet)
Tank Surface Area (s.a.)	9.79	(feet) <sup>2</sup>

Solvent Usage Information			Formulas / Notes
1	Type Solvent Used	<i>Perchloroethylene</i>	
2	S.G. of Solvent	<i>1.62</i>	[From MSDS]
3	Solvent Density	<i>13.51</i> (lb/gallon)	[From MSDS]
4	Solvent Added	<i>14.0</i> (gallon)	[From monthly log]
5	Waste Removed	<i>0.0</i> (gallon)	[From monthly log]
6	% Solvent in waste	<i>99.9%</i> ( % )	[From analytical report]
7	Solvent Removed in waste	<i>0.0</i> (gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	<i>0.0</i> (gallon)	[From monthly log]
9	Total Solvent Removed	<i>0.0</i> (gallon)	[ 7 + 8 ]
10	Total Solvent Emitted	<i>14.0</i> (gallon)	[ 4 + 9 ]
11	Total Solvent Emitted	<i>189.2</i> (lbs)	[ 10 * 3 ]
<b>Monthly Emissions</b>			
Average Solvent Emission Rate		<i>19.3</i> (lb/month/ft <sup>2</sup> s.a.)	[ 11 / (tank surface area) ]
Average Solvent Allowable Rate		<i>30.6</i> (lb/month/ft <sup>2</sup> s.a.)	From 40 CFR 63 , Subpart T
<b>Note:</b> If ave. solvent emission rate is < 30.6 lb/month/ft <sup>2</sup> , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft <sup>2</sup> , Note in quarterly exceedance report.			
<b>Three Month Rolling Average</b>			
3 - Month Average Solvent Emission Rate		<i>27.6</i> (lb/month/ft <sup>2</sup> s.a.)	[ Average of three previous months solvent emission rates]

Facility Name:  
Unit Name:  
Company I.D.:

*Morgan Electro Ceramics*  
*Baron Blakeslee MLR-280LE*  
*VPD-34*

EPA Facility ID:

*1318031627*

Ohio EPA I.D.:

*L001*

Month:

*September*

Year:

*2002*

#### Unit Information

Tank Length (inside)

*3.67*

(feet)

Tank Width (inside)

*2.67* ft

(feet)

Tank Surface Area (s.a.)

*9.79*

(feet)<sup>2</sup>

Solvent Usage Information				Formulas / Notes
1	Type Solvent Used	<i>Perchloroethylene</i>		
2	S.G. of Solvent	<i>1.62</i>		[From MSDS]
3	Solvent Density	<i>13.51</i>	(lb/gallon)	[From MSDS]
4	Solvent Added	<i>16.7</i>	(gallon)	[From monthly log]
5	Waste Removed	<i>0.0</i>	(gallon)	[From monthly log]
6	% Solvent in waste	<i>99.9%</i>	( % )	[From analytical report]
7	Solvent Removed in waste	<i>0.0</i>	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	<i>0.0</i>	(gallon)	[From monthly log]
9	Total Solvent Removed	<i>0.0</i>	(gallon)	[ 7 + 8 ]
10	Total Solvent Emitted	<i>16.7</i>	(gallon)	[ 4 + 9 ]
11	Total Solvent Emitted	<i>225.6</i>	(lbs)	[ 10 * 3 ]
<b>Monthly Emissions</b>				
Average Solvent Emission Rate		<i>23.1</i>	(lb/month/ft <sup>2</sup> s.a.)	[ 11 / (tank surface area) ]
Average Solvent Allowable Rate		<i>30.6</i>	(lb/month/ft <sup>2</sup> s.a.)	From 40 CFR 63, Subpart T
<b>Note:</b> If ave. solvent emission rate is < 30.6 lb/month/ft <sup>2</sup> , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft <sup>2</sup> , Note in quarterly exceedance report.				
<b>Three Month Rolling Average</b>				
3 - Month Average Solvent Emission Rate		<i>28.4</i>	(lb/month/ft <sup>2</sup> s.a.)	[ Average of three previous months solvent emission rates]

Facility Name:

Morgan Electro Ceramics

Unit Name:

Baron Blakeslee MLR-280LE

Company I.D.:

VPD-34

EPA Facility ID:

1318031627

Ohio EPA I.D.:

L001

Month:

October

Year:

2002

## Unit Information

Tank Length (inside)

3.67

(feet)

Tank Width (inside)

2.67

(feet)

Tank Surface Area (s.a.)

9.79

(feet)<sup>2</sup>

Solvent Usage Information			Formulas / Notes
1 Type Solvent Used	Perchloroethylene		
2 S.G. of Solvent	1.62		[From MSDS]
3 Solvent Density	13.51	(lb/gallon)	[From MSDS]
4 Solvent Added	46.0	(gallon)	[From monthly log]
5 Waste Removed	31.0	(gallon)	[From monthly log]
6 % Solvent in waste	99.9%	( % )	[From analytical report]
7 Solvent Removed in waste	31.0	(gallon)	[gal. Waste] * [% solvent]
8 Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9 Total Solvent Removed	31.0	(gallon)	[ 7 + 8 ]
10 Total Solvent Emitted	15.0	(gallon)	[ 4 + 9 ]
11 Total Solvent Emitted	203.1	(lbs)	[ 10 * 3 ]
<b>Monthly Emissions</b>			
Average Solvent Emission Rate	20.8	(lb/month/ft <sup>2</sup> s.a.)	[ 11 / (tank surface area) ]
Average Solvent Allowable Rate	30.6	(lb/month/ft <sup>2</sup> s.a.)	From 40 CFR 63, Subpart T
<p><b>Note:</b> If ave. solvent emission rate is &lt; 30.6 lb/month/ft<sup>2</sup>, NO action is required.</p> <p>If ave. solvent emission rate is &gt; 30.6 lb/month/ft<sup>2</sup>, Note in quarterly exceedance report.</p>			
<b>Three Month Rolling Average</b>			
3 - Month Average Solvent Emission Rate	21.0	(lb/month/ft <sup>2</sup> s.a.)	[ Average of three previous months solvent emission rates]

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Baron Blakeslee MLR-280LE

Company I.D.:

VPD-34

Ohio EPA I.D.:

L001

Month:

November

Year:

2002

**Unit Information**

Tank Length (inside)

3.67

(feet)

Tank Width (inside)

2.67

(feet)

Tank Surface Area (s.a.)

9.79

(feet)<sup>2</sup>

Solvent Usage Information			Formulas / Notes
1 Type Solvent Used	Perchloroethylene		
2 S.G. of Solvent	1.62		[From MSDS]
3 Solvent Density	13.51	(lb/gallon)	[From MSDS]
4 Solvent Added	18.0	(gallon)	[From monthly log]
5 Waste Removed	0.0	(gallon)	[From monthly log]
6 % Solvent in waste	99.9%	( % )	[From analytical report]
7 Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8 Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9 Total Solvent Removed	0.0	(gallon)	[ 7 + 8 ]
10 Total Solvent Emitted	18.0	(gallon)	[ 4 + 9 ]
11 Total Solvent Emitted	243.2	(lbs)	[ 10 * 3 ]
<b>Monthly Emissions</b>			
Average Solvent Emission Rate	24.8	(lb/month/ft <sup>2</sup> s.a.)	[ 11 / (tank surface area) ]
Average Solvent Allowable Rate	30.6	(lb/month/ft <sup>2</sup> s.a.)	From 40 CFR 63, Subpart T
<p><b>Note:</b> If ave. solvent emission rate is &lt; 30.6 lb/month/ft<sup>2</sup>, NO action is required.</p> <p>If ave. solvent emission rate is &gt; 30.6 lb/month/ft<sup>2</sup>, Note in quarterly exceedance report.</p>			
<b>Three Month Rolling Average</b>			
3 - Month Average Solvent Emission Rate	22.9	(lb/month/ft <sup>2</sup> s.a.)	[ Average of three previous months solvent emission rates]

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Baron Blakeslee MLR-280LE

Company I.D.:

VPD-34

Ohio EPA I.D.:

L001

Month:

December

Year:

2002

**Unit Information**

Tank Length (inside)

3.67

(feet)

Tank Width (inside)

2.67

(feet)

Tank Surface Area (s.a.)

9.79

(feet)<sup>2</sup>

Solvent Usage Information			Formulas / Notes
1 Type Solvent Used	Perchloroethylene		
2 S.G. of Solvent	1.62		[From MSDS]
3 Solvent Density	13.51	(lb/gallon)	[From MSDS]
4 Solvent Added	19.0	(gallon)	[From monthly log]
5 Waste Removed	0.0	(gallon)	[From monthly log]
6 % Solvent in waste		( % )	[From analytical report]
7 Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8 Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9 Total Solvent Removed	0.0	(gallon)	[ 7 + 8 ]
10 Total Solvent Emitted	19.0	(gallon)	[ 4 + 9 ]
11 Total Solvent Emitted	256.7	(lbs)	[ 10 * 3 ]
<b>Monthly Emissions</b>			
Average Solvent Emission Rate	26.2	(lb/month/ft <sup>2</sup> s.a.)	[ 11 / (tank surface area) ]
Average Solvent Allowable Rate	30.6	(lb/month/ft <sup>2</sup> s.a.)	From 40 CFR 63, Subpart T
<p><b>Note:</b> If ave. solvent emission rate is &lt; 30.6 lb/month/ft<sup>2</sup>, NO action is required.</p> <p>If ave. solvent emission rate is &gt; 30.6 lb/month/ft<sup>2</sup>, Note in quarterly exceedance report.</p>			
<b>Three Month Rolling Average</b>			
3 - Month Average Solvent Emission Rate	23.9	(lb/month/ft <sup>2</sup> s.a.)	[ Average of three previous months solvent emission rates]

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Baron Blakeslee MLR-216

Company I.D.:

VPD-6B

Ohio EPA I.D.:

P009

Month:

July

Year:

2002

**Unit Information**

Tank Length (inside)

3.50

(feet)

Tank Width (inside)

1.33

(feet)

Tank Surface Area (s.a.)

4.67

(feet)<sup>2</sup>

Solvent Usage Information			Formulas / Notes
1	Type Solvent Used	Perchloroethylene	
2	S.G. of Solvent	1.62	[From MSDS]
3	Solvent Density	13.51 (lb/gallon)	[From MSDS]
4	Solvent Added	37.0 (gallon)	[From monthly log]
5	Waste Removed	32.0 (gallon)	[From monthly log]
6	% Solvent in waste	99.9% ( % )	[From analytical report]
7	Solvent Removed in waste	32.0 (gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0 (gallon)	[From monthly log]
9	Total Solvent Removed	32.0 (gallon)	[ 7 + 8 ]
10	Total Solvent Emitted	5.0 (gallon)	[ 4 + 9 ]
11	Total Solvent Emitted	68.0 (lbs)	[ 10 * 3 ]
<b>Monthly Emissions</b>			
Average Solvent Emission Rate		14.6 (lb/month/ft <sup>2</sup> s.a.)	[ 11 / (tank surface area) ]
Average Solvent Allowable Rate		30.6 (lb/month/ft <sup>2</sup> s.a.)	From 40 CFR 63, Subpart T
<b>Note:</b> If ave. solvent emission rate is < 30.6 lb/month/ft <sup>2</sup> , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft <sup>2</sup> , Note in quarterly exceedance report.			
<b>Three Month Rolling Average</b>			
3 - Month Average Solvent Emission Rate		14.5 (lb/month/ft <sup>2</sup> s.a.)	[ Average of three previous months solvent emission rates]

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Baron Blakeslee MLR-216

Company I.D.:

VPD-6B

Ohio EPA I.D.:

P009

Month:

August

Year:

2002

**Unit Information**

Tank Length (inside)

3.50

(feet)

Tank Width (inside)

1.33

(feet)

Tank Surface Area (s.a.)

4.67

(feet)<sup>2</sup>

Solvent Usage Information			Formulas / Notes
1	Type Solvent Used	Perchloroethylene	
2	S.G. of Solvent	1.62	[From MSDS]
3	Solvent Density	13.51 (lb/gallon)	[From MSDS]
4	Solvent Added	7.0 (gallon)	[From monthly log]
5	Waste Removed	0.0 (gallon)	[From monthly log]
6	% Solvent in waste	99.9% ( % )	[From analytical report]
7	Solvent Removed in waste	0.0 (gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0 (gallon)	[From monthly log]
9	Total Solvent Removed	0.0 (gallon)	[ 7 + 8 ]
10	Total Solvent Emitted	7.0 (gallon)	[ 4 + 9 ]
11	Total Solvent Emitted	94.6 (lbs)	[ 10 * 3 ]
<b>Monthly Emissions</b>			
Average Solvent Emission Rate		20.3 (lb/month/ft <sup>2</sup> s.a.)	[ 11 / (tank surface area) ]
Average Solvent Allowable Rate		30.6 (lb/month/ft <sup>2</sup> s.a.)	From 40 CFR 63 , Subpart T
<b>Note:</b> If ave. solvent emission rate is < 30.6 lb/month/ft <sup>2</sup> , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft <sup>2</sup> , Note in quarterly exceedance report.			
<b>Three Month Rolling Average</b>			
3 - Month Average Solvent Emission Rate		17.4 (lb/month/ft <sup>2</sup> s.a.)	[ Average of three previous months solvent emission rates]